

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FR2003/003036

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
pages \_\_\_\_\_ 1-10 \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the claims:  
pages \_\_\_\_\_ 1-13 \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, as amended (together with any statement under Article 19  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the drawings:  
pages \_\_\_\_\_ 1/4-4/4 \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

## 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description pages \_\_\_\_\_
- ☐ the claims, No. \_\_\_\_\_
- ☐ the drawings, sheets/fig. \_\_\_\_\_

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(o)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

Form PCT/IPEA/409 (Box I) (July 1998)

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## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims	1-13	YES
	Claims		NO
Inventive step (IS)	Claims	1-13	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-13	YES
	Claims		NO

## 2. Citations and explanations

## Novelty, inventive step and industrial applicability

## Closest prior art:

FR-A-852 603 (D1; see, in particular, the first paragraph and the section entitled "résumé", as well as figures 1, 2, 4 and 5) suggests "elongated recesses (grooves, streaks, fluting or the like)" which "extend over the entire length of the portion of the projectile located before (in the direction of movement) the largest section, or over only part of said length". In figure 1, the front portion is shaped as an ogive, i.e. "substantially" conical. In figures 2, 4, 5 and 6, the at least two streaks are substantially symmetrical to the axis of the projectile.

The invention described in D1 relates to "a projectile shape that increases air penetration and stability during its trajectory".

Problem: "a handgun projectile which has a precise and reliable trajectory, limited penetration in a soft medium and, depending on its implementation, can penetrate or be stopped by a bullet-proof vest".

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**Solution:** According to claim 1, the projectile has a nose and a cup; the nose is substantially conical and has at least two streaks arranged substantially symmetrically to the axis of the projectile, or to an axial plane, and having a curvilinear profile from the one to the other edge.

The available prior art does not describe the problem or its solution. In particular, a person skilled in the art would need to know the invention to be able to reconstitute it from the elements supplied by D1.

The subject matter of independent claim 1 therefore meets the requirements of PCT Article 33(2) to 33(4).

The additional features of dependent claims 2-13 relate to modifications of the invention as per claim 1 and are therefore supported by the latter. Dependent claims 2-13 therefore also meet the requirements of PCT Article 33(2) to 33(4).